

Mail Stop Patent Application
 COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, VA 22313-1450

FORM PTO-1449 (Modified)
 LIST OF PATENTS AND PUBLICATIONS
 FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
 (Use several sheets if necessary)
 Sheet 1 of 4

In the Application of POTTER et al.

Serial No.: CON of 09/878,766

Art Unit: Unassigned

Filed: On even date

Examiner: Unassigned

Title: IMMUNIZATION OF DAIRY CATTLE WITH CHIMERIC GapC PROTEIN AGAINST
 STREPTOCOCCUS INFECTION

U.S. PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Date	Name	Class	Sub Class	Filing Date
32	A1	4,954,618	09-04-1990	Fahnestock			
32	A2	4,977,082	12-11-1990	Boyle et al.			
32	A3	5,108,894	04-28-1992	Bjorck et al.			
32	A4	5,198,215	03-1993	de Cueninck et al.	424	243.1	
32	A5	5,237,050	08-17-1993	Boyle et al.			
32	A6	5,328,996	07-12-1994	Boyle et al.			
32	A7	5,721,339	02-24-1998	Boyle et al.			
32	A8	5,863,543	01-26-1999	Jiang et al.			
32	A9	6,063,386	05-2000	Dale et al.	424	184.1	
32	A10	6,391,316	05-2002	Potter et al.	73	241	
32	A11	2001/0014335	04-16-2001	Saitoh et al.	424	199.1	

Examiner:

[Signature]

Date Considered:

5-18-04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Mail Stop Patent Application
 COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, VA 22313-1450

FORM PTO-1449 (Modified)
 LIST OF PATENTS AND PUBLICATIONS
 FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
 (Use several sheets if necessary)
 Sheet 2 of 4

In the Application of POTTER et al.

Serial No.: CON of 09/878,766

Art Unit: Unassigned

Filed: On even date

Examiner: Unassigned

Title: IMMUNIZATION OF DAIRY CATTLE WITH CHIMERIC GapC PROTEIN AGAINST
 STREPTOCOCCUS INFECTION

FOREIGN PATENT DOCUMENTS

Exam. Init.	Ref. Desig.	Document No.	Publication Date	Country or Patent Office	Class	Sub Class	Translation YES NO	
32	B1	EP 0 887 410	30 December 1998	EPO				
32	B2	WO 00/39299	6 July 2000	PCT				
3	B3	WO 93/14198	July 1993	PCT				
32	B4	WO 96/40928	19 December 1996	PCT				
32	B5	WO 96/41879	December 27, 1996	PCT				
32	B6	WO 98/18930	May 7, 1998	PCT				
32	B7	WO 99/42588	August 26, 1999	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

Exam. Init.	Ref. Desig.	Description
32	C1	Baird et al., "Epitopes of Group A Streptococcal M Protein Shared With Antigens of Articular Cartilage and Synovium," <i>The Journal of Immunology</i> <u>146</u> (9):3132-3137 (1991)

Examiner:

Date Considered:

5-18-04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Mail Stop Patent Application
 COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, VA 22313-1450

FORM PTO-1449 (Modified)
 LIST OF PATENTS AND PUBLICATIONS
 FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
 (Use several sheets if necessary)
 Sheet 3 of 4

In the Application of POTTER et al.

Serial No.: CON of 09/878,766

Art Unit: Unassigned

Filed: On even date

Examiner: Unassigned

Title: IMMUNIZATION OF DAIRY CATTLE WITH CHIMERIC GapC PROTEIN AGAINST
 STREPTOCOCCUS INFECTION

Exam. Init.	Ref. Desig.	Description
32	C2	Bisno, Alan. L., "Group A Streptococcal Infections and Acute Rheumatic Fever," <i>New Eng J. Med.</i> <u>325</u> :783-793 (1991)
32	C3	Bowie et al., "Deciphering the message in protein sequences: tolerances to amino acid substitutions," <i>Science</i> <u>247</u> :1306-1310, 1990
32	C4	Bronze et al., "Epitopes of Streptococcal M Proteins that Evoke Antibodies That Cross-React with Human Brain," <i>The Journal of Immunology</i> <u>151</u> (5):2820-2828 (1993)
32	C5	Cunningham et al., "Study of Heart-Reactive Antibody in Antisera and Hybridoma Culture Fluids Against Group A Streptococci," <i>Infection and Immunity</i> <u>42</u> (2):531-538 (1983)
32	C6	Dale, J. L., "Multivalent Group A Streptococcal Vaccine Designed to Optimize the Immunogenicity of Six Tandem M Protein Fragments," <i>Vaccine</i> <u>17</u> (2):193-200 (1999)
32	C7	Dale, J. L. and Beachy, G. H., "Multiple, Heart-Cross Reactive Epitopes of Streptococcal M Proteins," <i>J. Exp. Med.</i> <u>161</u> :113-122 (1995)
32	C8	Dale, J. L. and Beachy, G. H., "Protective Antigenic Determinant of Streptococcal M Protein Shared With Sarcolemmal Membrane Protein of Human Heart," <i>J. Exp. Med.</i> <u>156</u> :1165-1176 (1985)
32	C9	Finch et al., "Further Studies on the Efficacy of a Live Vaccine Against Mastitis Caused by Streptococcus <i>Uberis</i> ," <i>Vaccine</i> <u>15</u> (10):1138-1143 (1997)
32	C10	Froude et al., "Cross-Reactivity Between Streptococcus and Human Tissue: A Model of Molecular Mimicry and Autoimmunity," <i>Microbiology and Immunology</i> <u>145</u> :5-26 (1989)

Examiner: *[Signature]*

Date Considered: 5-18-04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Mail Stop Patent Application
 COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, VA 22313-1450

FORM PTO-1449 (Modified)
 LIST OF PATENTS AND PUBLICATIONS
 FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT
 (Use several sheets if necessary)
 Sheet 4 of 4

In the Application of POTTER et al.

Serial No.: CON of 09/878,766

Art Unit: Unassigned

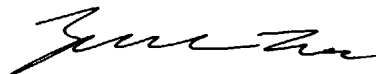
Filed: On even date

Examiner: Unassigned

Title: IMMUNIZATION OF DAIRY CATTLE WITH CHIMERIC GapC PROTEIN AGAINST
 STREPTOCOCCUS INFECTION

Exam. Init.	Ref. Desig.	Description
32	C11	Gase et al., "Cloning Sequencing and Functional Overexpression of the Streptococcus Equisimilis H46A gapC Gene Encoding a Glyceraldehyde-3-Phosphate Dehydrogenase that also Functions as a Plasmin(ogen)-Binding Protein. Purification and Biochemical Characterization of the Protein," <i>European Journal of Biochemistry</i> 239(1):42-51 (1996)
32	C12	Hafid et al., "Glyceraldehyde-3-phosphate dehydrogenase from tetrahymena pyriformis: enzyme purification and characterization of a gapC gene with primitive eukaryotic features," <i>Comparative Biochemistry and Physiology B</i> 119:493-503, 1998
32	C13	Kehoe, Michael A., "Group A Streptococcal Antigens and Vaccine Potential," <i>Vaccine</i> 9:797-806 (1991)
32	C14	Lancefield, Rebecca C., "Current Knowledge of Type-Specific M Antigens of Group A Streptococci," <i>J. of Immunology</i> 89:307-313 (1962)
32	C15	Langone, John J., "Protein A of <i>Staphylococcus aureus</i> and Related Immunoglobulin Receptors Produced by Streptococci and Pneumonococci," <i>Advances in Immunology</i> 32:167 (1982)
32	C16	Liljeqvist et al., "Surface Display of Functional Fibronectin-Binding Domains on <i>Staphylococcus carnosus</i> ," <i>FEBS Letters</i> 446:299-304 (1999)
32	C17	Stollerman, G. H., "Rheumatogenic Streptococci and Autoimmunity," <i>Clin. Immunol. Immunopathology</i> , 61:131-142 (1991)

Examiner:



Date Considered:

5-18-04

EXAMINER: Initial if citation considered whether or not the citation conforms with MPEP609. Draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.